



# PHENIX WEEKLY PLANNING

10/26/06 Don Lynch

#### PHENIX Shutdown Overview



Task_Name	Start_Date	Finish_Date
PHENIX Shutdown '06	5/1/2006	12/1/2006
Pre Shutdown Tasks	5/1/2006	DONE
End of Run 6	6/27/2006	DONE
Shutdown Preparations	6/27/2006	DONE
Detector Upgrades	7/19/2006	11/30/2006
Planned electrical power outage	7/24/2006	DONE
Subsystem maint/repair tasks	7/19/2006	10/31/2006
	TAN TENT	
Building and infrastructure tasks	<mark>5/1/200</mark> 6	10/31/2006
E carriage roll in & setup	10/30/2006	11/17/2006
RHIC Cooldown Begins	12/1/2006	12/1/2006
Start Flammable Gas/Watch Shifts	12/5/2006	12/5/2006
Run Prep	11/20/2006	12/31/2006
Shutdown Concluded Start Physics Run	1/1/2007	1/1/2007



# TOF West

Technical Support 2006







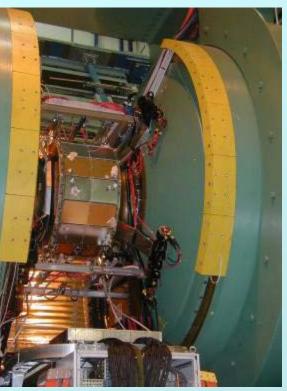
Technical Support 2006







- · HBD East survey Done
- · Bakeout heaters ready on
- · Cooling systems to be installed
- · Gas Hutch renovation ongoing
- · Gas flow control racks nearly ready







Flux Capacitor



# HBD (Hadron Blow Drier) Electronics Cooling

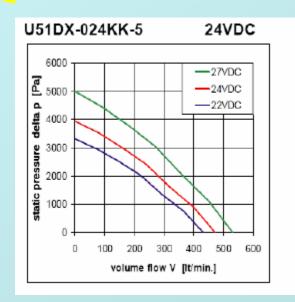


### Order delayed Again!?



#### Still Needed for Approval to Operate:

- Where will fan(s) be mounted? CM base "cubby hole" fan model and specs to be forwarded to Safety
- Written design and operation description and- To be forwarded to Safety
- Order for 5 blowers & drivers (4 +1 spare) is in the works



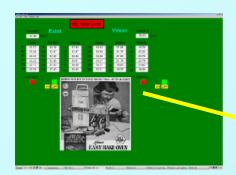
Blower requirements:

5 cfm (142 l/min)

@ 5 in WC (1245 Pa)

## PHENIX

### HBD "EBO" Heaters



Initial Start up complete !!









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# HBD Signal Rack

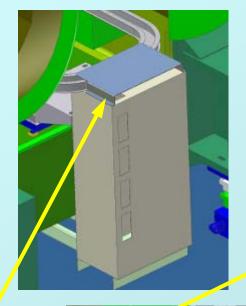


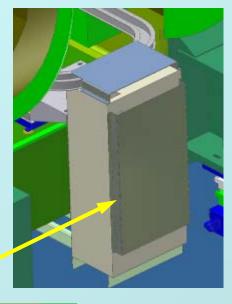


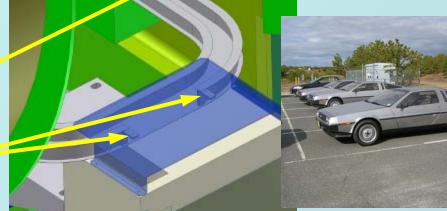
Cable Cover waiting for material

"Chimney" Done

Mounting Brackets Done









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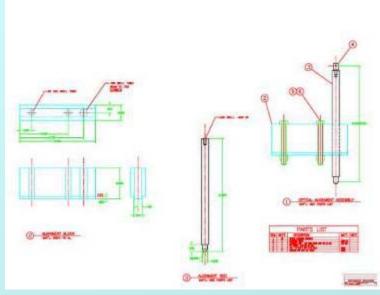
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#### MPC North

CM moved to run position...no more access to the crystals until Shutdown 2007



# Subsystem Maintenance & Repairs





# PC HV module/cable maintenance in progress

- TEC upgrades in progress
- MuID survey ~in progress
- MuID commissioning-> After flammable gas is on



# Remaining Schedule

	Start	Complete
TOF West		
Commissioning	in progress	10/31/06
RXNP		
Commissioning	in progress	10/31/06
HBD		
Electrical cables, rack integration: water & power	in progress	10/31/06
Gas Plumbing	in progress	10/31/06
East mechanical installation (incl. final survey)	Done	Done
East cable trays	10/20/06	10/27/06
HBD preamp cooling system	9/5/06	11/1/06
HBD drying heater system	Done	Done
Commissioning	9/25/06	11/30/06





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# Remaining Schedule (cont'd)

Start Complete MPC North Mechanical installation Done Done Electrical, modify/upgrade rack Done Done Commissioning 10/12/06 10/31/06 PC HV module and cable maintenance 10/31/06 in progress TEC maintenance & Repairs in progress 10/31/06 MuID survey 10/20/06 11/30/06 MuID commissioning 11/22/06 11/29/06



Build Flux Capacitor

# Technica Sup Port

## Infrastructure Work

CAD/RHIC	<b>PHENIX</b>	infrastucture	related
mechanical	and elect	trical support	

Roof leak repairs

MuID survey

EMCal Survey

1008-wide Door latch repairs for security

Counting House Floor cleaning

Mixing house ramp sand painting

EC and Shield wall C-A support

?

?

?

Requested

requested

10/30-12/1/2006



Weekly Planning Meeting



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# Remaining Schedule

(cont'd)

	Start	Complete
East carriage roll in & setup		
Prepare IR & EC for move to IR/move cart, manlifts, collars	23-Oct	31-Oct
EC Roll in	1-Nov	3-Nov
Connect EC services	6-Nov	10-Nov
Install EC Ladder	13-Nov	14-Nov
Install EC rear access & ext.	15-Nov	17-Nov
Move MMS full North/Install beam pipe collar	20-Nov	22-Nov
Rebuild Rolling door	27-Nov	30-Nov
Close rolling door	30-Nov	30-Nov
RHIC Cooldown Begins	1-Dec	1-Dec
Pink Sheeting & Blue Sheeting	13-Nov	1-Dec
Start Flammable Gas Flow	5-Dec	18-Dec
All Up Commissioning	5-Dec	18-Dec
Beam in yellow ring	18-Dec	18-Dec
Beam in blue ring	25-Jan	25-Jan
RHIC beam conditioning	25-Jan	31-Dec
Shutdown Concluded/Start of Physics Run	1-Jan	1-Jan

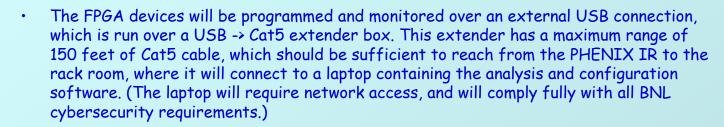


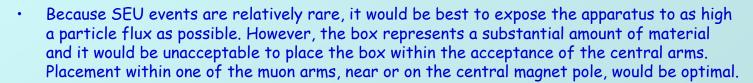


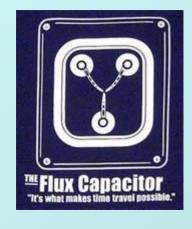
## SEU Test John Lajoie Iowa State

#### **Experimental Impact Statement**

- The box dimensions are:  $17'' \times 10'' \times 3.5''$ .
- The only services required by the box in order to function are AC power and a Cat5 cable connected to the USB interface.









## SEU Test John Lajoie Iowa State









Current proposed location for test box. To be oriented with long side of box perpendicular to ebeam orbit direction (z).

## PHENIX

#### Next Week

- HBD, TOF W, RXNP, MPC N electronics commissioning
- · MuID survey?
- · HBD signal rack chimney
- · HBD & TOF W mixing house gas control systems
- TEC repairs
- · PC HV work
- · When do we roll in the EC?
- · Then:





# Where To Find PHENIX Technical Info





Links for the weekly planning meeting slides, long term planning, pictures, videos and other technical info can be found on the web site:

http://www.phenix.bnl.gov/WWW/INTEGRATION/ME&Integration/DRL\_SSint-page.htm